Claims

Sub B2

1. A polyolefin-based laminate film comprising:

a) a first polyolefin-based resin layer having a surface treated by a discharge treatment method that imparts excellent printability; and

b) a polyolefin-based mixed resin layer formed on one surface of said first polyolefin-based resin layer opposite of said surface treatment,

wherein the first polyolefin-based resin layer and the polyolefin-based mixed resin layer optionally contain up to 800 ppm of fatty amides comprising stearamide or erucamide and the polyolefin-based mixed resin layer contains a first additive material comprising at least one crosslinked silicone polymer in an amount of about 0.1% - 0.5% by weight of the polyolefin-based mixed resin layer and/or at least one silicone oil in an amount of about 0.02% - 0.2% by weight of the polyolefin-based mixed resin layer, and a second additive material in an amount of about 0.10 - 0.50% by weight of the polyolefin-based mixed resin layer, which comprises at least one amorphous aluminosilicate.

2. The polyolefin-based laminate film according to claim 1, wherein said first polyolefin-based resin layer has a thickness of about 6 - 40 μm.

3. The polyolefin-based laminate film according to claim 1 or 2, wherein said first polyolefin-based resin layer consists essentially of polypropylene-based resin.

4. The polyolefin-based laminate film according to claim 1 or 2, wherein said polyolefin-based mixed resin layer has a thickness of about 0.2 - 5.0 μm.

5. The polyolefin-based laminate film according to claim 1 or 2, wherein said polyolefin-based mixed resin layer consists essentially of polypropylene-based resin.

6. The polyolefin-based laminate film according to claim 1, wherein at least one component of said first additive material is a crosslinked silicone resin having a spherical average particle size of 2 - 5 μm, a specific gravity of 1.32 at 25°F, a bulk density of 0.15 - 0.50, and a linseed oil absorption rate of 50 - 90 ml/100g; and/or at least one component of said first additive material is a silicone oil having viscosity of 300 - 400 cSt., specific gravity at 77°F of 0.90 - 0.99, and volatile content of 0.001 - 0.005%.

7. The polyolefin-based laminate film according to claim 1, wherein at least one component of said additive anti-block material is an amorphous sodium calcium aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.30 - 0.80 g/cm^3 or an amorphous aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.10 - 0.30 g/cm^3.

8. The polyolefin-based laminate film according to claim 1, wherein at least one component of said second additive material is an amorphous sodium calcium aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.30 - 0.80 g/cm^3; or an amorphous aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.10 - 0.30 g/cm^3.